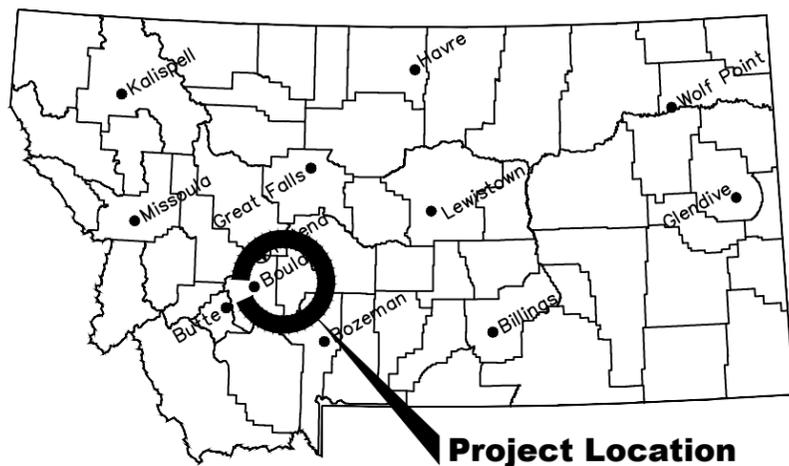


# MONTANA FISH, WILDLIFE & PARKS

# FRATERNITY AND GILLIAN HALL FOUNDATION STABILIZATION

PURCHASE ORDER:

7216311



**Location Map**

No Scale



**FRATERNITY AND GILLIAN HALL  
VIEW FROM NORTH WEST**

North



**Vicinity Map**

No Scale



MONTANA FISH, WILDLIFE, & PARKS  
CONTACT: KEVIN HARRINGTON  
EMAIL: kharrington@mt.gov  
PHONE: (406)-252-1289



NPS CONTRACTING OFFICER'S REPRESENTATIVE:  
THOMAS KEOHAN  
PHONE: (303)-969-2897

MONTANA FISH, WILDLIFE AND PARKS  
DESIGN AND CONSTRUCTION

MAILING ADDRESS: PO BOX 200701  
HELENA, MT 59620-0701  
TEL 406.841.4000  
FAX 406.841.4004  
<https://fwp.mt.gov/aboutfwp/design-and-construction>

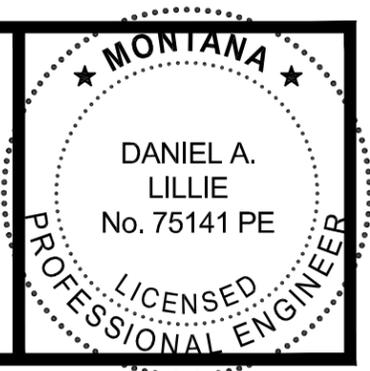
PHYSICAL ADDRESS:  
1522 9th AVENUE  
HELENA, MT 59601

EXELTECH CONSULTING  
8729 COMMERCE PL. DR. NE  
LACEY, WA 98516  
(360)-357-8289  
www.xltech.com  
CONTACT: DANIEL LILLIE, P.E.

NPS CONTRACTING OFFICER'S REPRESENTATIVE:  
THOMAS KEOHAN  
PHONE: (303)-969-2897

## DRAWING INDEX

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SITE PLAN	2
ASBUILT FOUNDATION PLAN – FRATERNITY HALL	3
FOUNDATION PLAN – GILLIAN HALL	4
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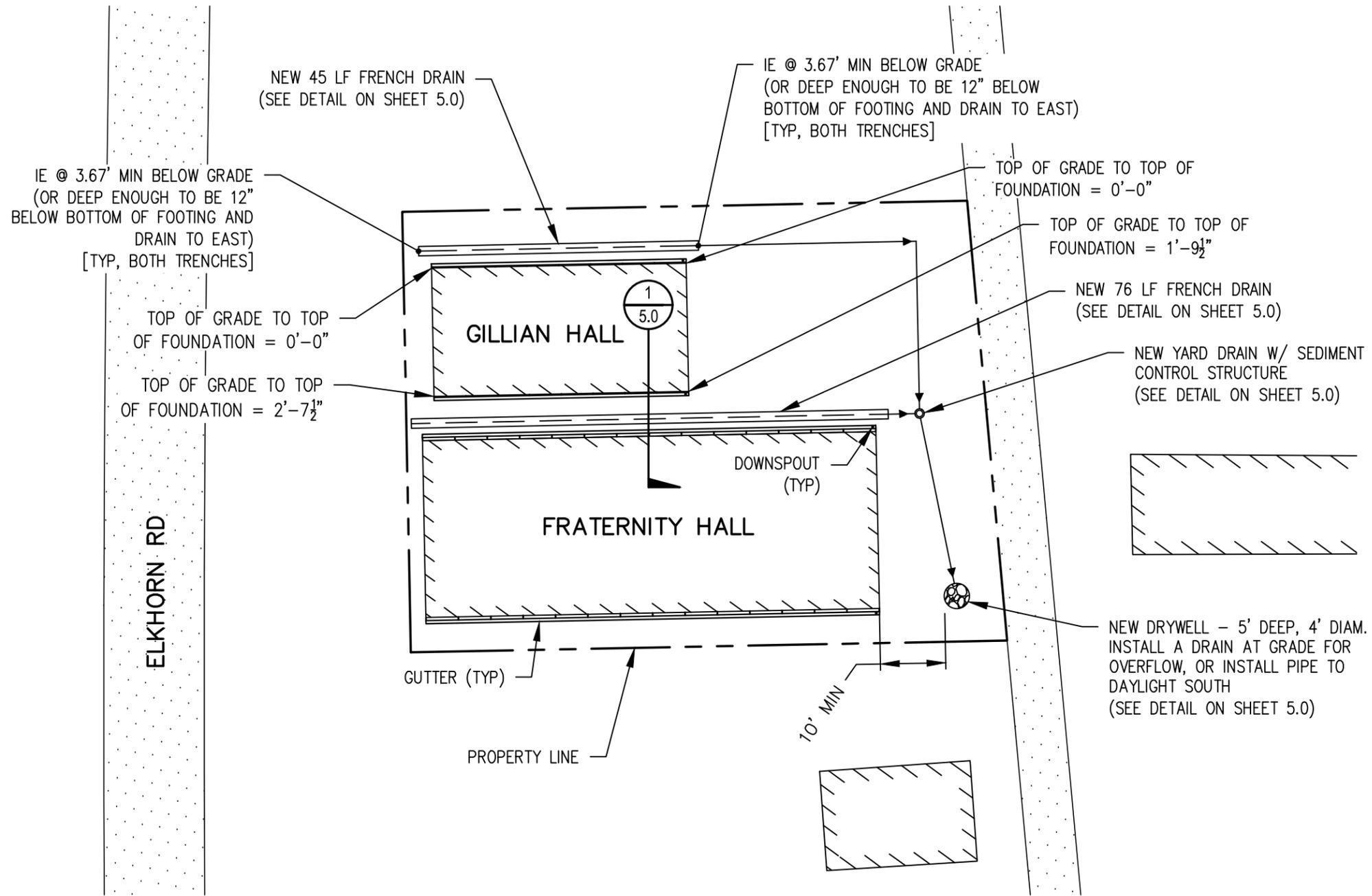
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**MONTANA FISH,  
WILDLIFE & PARKS**

**ELKHORN FOUNDATION REPAIRS  
COVER**

SHEET: 1 of 5



GENERAL PROJECT NOTES

1. THIS PROPERTY IS LISTED ON THE NATIONAL REGISTER OF HISTORIC PLACES. ALL WORK SHALL CONFORM TO THE SECRETARY OF INTERIOR'S STANDARDS FOR THE PRESERVATION OF HISTORIC PROPERTIES.
2. INFORMATION FOR FRATERNITY HALL HAS BEEN EXTRACTED FROM THE 1963 DRAWINGS BY THE U.S. DEPARTMENT OF THE INTERIOR.
3. COORDINATE ALL WORK WITH THE FISH, WILDLIFE AND PARKS HERITAGE PROGRAM MANAGER.
4. THIS PROJECT'S SCOPE OF WORK INCLUDED FOUNDATION REPAIRS AND STABILIZATION, REGRADING, AND MINIMAL EAVE/GUTTER WORK.
5. CONTRACTOR SHALL PROTECT EXISTING SOILS AND VEGETATION. NO VEHICLES OR EQUIPMENT SHALL BE RUN OVER THE LAWN WITHOUT PROVIDING SHEETS OF PLYWOOD UNDERNEATH TO DISTRIBUTE THE WEIGHT & PROTECT THE VEGETATION. NO VEHICLE PARKING ON THE LAWN.
6. THIS BUILDING WILL NOT BE OCCUPIED DURING THE CONSTRUCTION PERIOD.
7. THE CONTRACTOR SHALL COORDINATE ALL WORK PERFORMED BY OTHERS TO ENSURE SMOOTH UNINTERRUPTED CONSTRUCTION.
8. THE CONTRACTOR SHALL PROTECT ALL SURFACES & ITEMS TO REMAIN.
9. ALL WORK UNDER THIS CONTRACT SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, & REGULATIONS INCLUDING BUT NOT LIMITED TO THE 2018 INTERNATIONAL EXISTING BUILDING CODE & ALL NPS GUIDELINES.
10. DO NOT SCALE THE DRAWINGS. VERIFY ALL DIMENSIONS IN THE FIELD. CONTACT THE ARCHITECT FOR FURTHER CLARIFICATION IF NEEDED.
11. THE CONTRACTOR & ALL SUB-CONTRACTORS SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO THE START OF CONSTRUCTION. NOTIFY THE PARK IMMEDIATELY OF ANY INCONSISTENCIES OR DISCREPANCIES IN THE DRAWINGS &/OR SPECIFICATIONS COMPARED TO EXISTING CONDITIONS.
12. PROVIDE DEMOLITION & PATCHING NOT SHOWN BUT REQUIRED FOR THE INSTALLATION OF NEW DETAILS OR AS REQUIRED FOR THE WORK.
13. ALL WORK SHALL BE PERFORMED IN A MANNER SO AS NOT TO INCREASE/CAUSE A FIRE HAZARD.
14. THE CONTRACTOR SHALL PROVIDE PROTECTION WHERE NECESSARY TO PROTECT THE PUBLIC & ADJACENT AREAS OF THE BUILDING DURING CONSTRUCTION AS DIRECTED BY THE OWNER.
15. CONTRACTOR SHALL PROVIDE TEMPORARY STRUCTURAL BRACING AS REQUIRED DURING WORK.

STORMWATER NOTES

1. PIPES IN FRENCH DRAINS WILL BE PERFORATED, ALL OTHER PIPES WILL BE SOLID.
2. ALL PIPES WILL BE 4" PVC.
3. PIPES SHOULD HAVE A SLOPE OF 2% MIN, AND 2' OF COVER TO GRADE. PERFORATED PIPES IN FRENCH DRAINS MAY BE FLAT.
4. DRYWELL OVERFLOW OPTION SELECTION SHOULD BE BASED ON AVOIDING ANY NEGATIVE IMPACT DOWNSTREAM. SEE DETAIL ON SHEET 5.0.
5. GUTTER DOWNSPOUTS OUTLET TO SPLASHBLOCK/ROCK PAD DIRECTED TO FRENCH DRAINS. DOWNSPOUT AT SE CORNER OF FRATERNITY HALL OUTLETS TO SPLASHBLOCK/ROCK PAD DIRECTED AWAY FROM BUILDING (TO SW).

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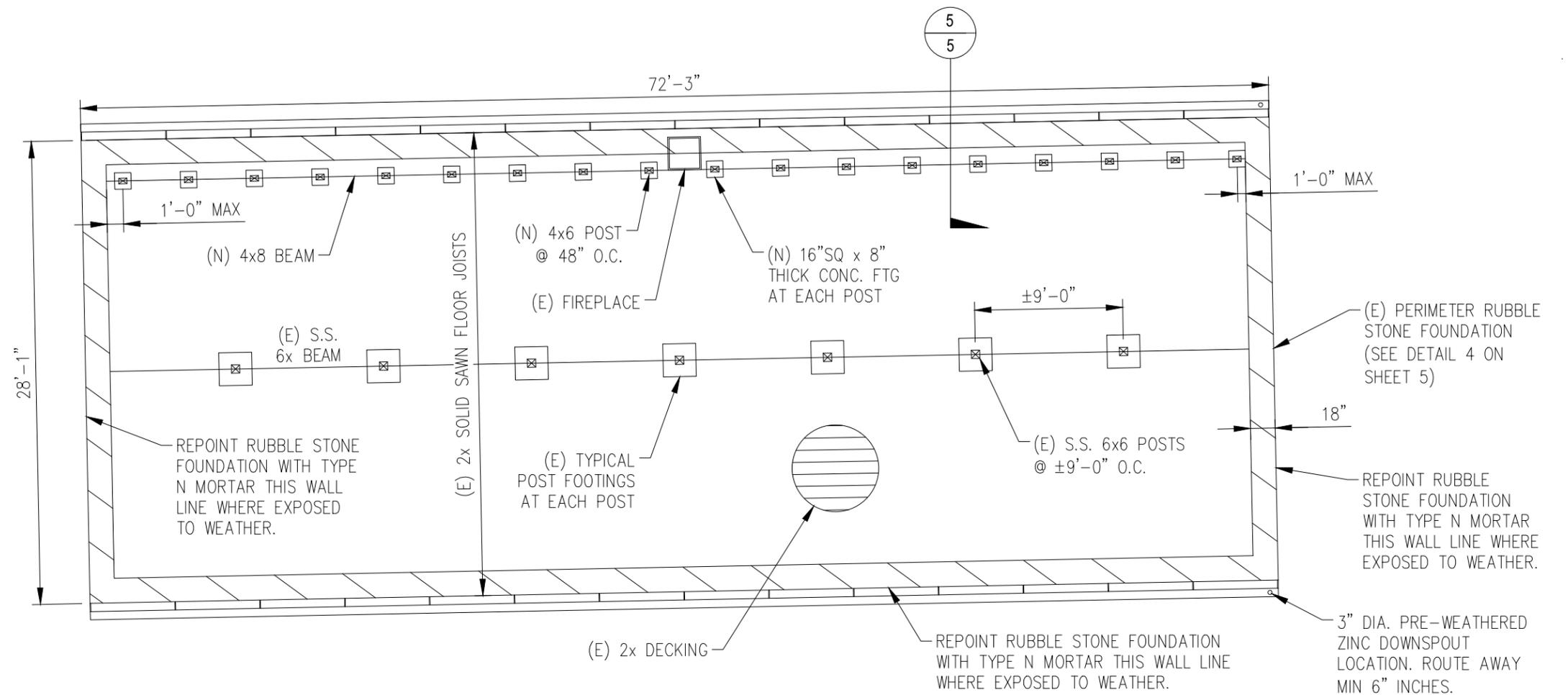


**MONTANA FISH,  
WILDLIFE & PARKS**

**ELKHORN FOUNDATION REPAIRS  
SITE PLAN**

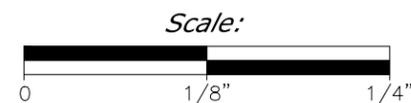
NOTES

1. CONTRACTOR SHALL VERIFY ALL CONDITIONS. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD. ANY WORK PERFORMED AFTER ANY DISCOVERY WITHOUT NOTIFYING THE ENGINEER IS AT THE RISK OF THE CONTRACTOR.
2. ALL LUMBER ASSUMED TO BE SPRUCE PINE FIR (SPF) #2 OR BETTER. DOUGLAS-FIR (DF) #2 MAY BE SUBSTITUTED WHERE SPF IS NOT AVAILABLE.
3. WORK MUST CONFORM TO THE SECRETARY OF THE INTERIOR'S STANDARDS FOR THE TREATMENT OF HISTORIC PROPERTIES, AND SPECIFICALLY TO THE STANDARDS ON HISTORIC PRESERVATION. ALL WORK SHALL OCCUR AFTER CONSULTATION WITH THE STATE HISTORIC PRESERVATION OFFICE. FISH, WILDLIFE AND PARKS SHALL UNDERTAKE THAT CONSULTATION.
4. DIMENSIONS MAY VARY IN THE FIELD AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
5. ANY MATERIALS REMOVED MUST BE REPLACED IN KIND OR MATCH THE METHODS, APPEARANCE, AND MATERIALS FROM ITS ORIGINAL CONSTRUCTION.
6. REPOINTING OF RUBBLE STONE FOUNDATION SHALL USE TYPE N MORTAR.
7. ADD GUTTERS PER DETAIL 6 AND 7 ON SHEET 5.
8. ACCESS TO THE CRAWLSPACE WILL BE PROVIDED BY MONTANA STATE FISH WILDLIFE AND PARKS DEPARTMENT.



LEGEND:

- S.S. = SOLID SAWN
- (E) = EXISTING
- (N) = NEW
- SQ = SQUARE
- DIA. = DIAMETER
- UNO = UNLESS NOTED OTHERWISE
- D.S. = DOUGLAS FIR
- CONC. = CONCRETE
- FNDN = FOUNDATION
- O.S. = ON CENTER
- FTG = FOOTING



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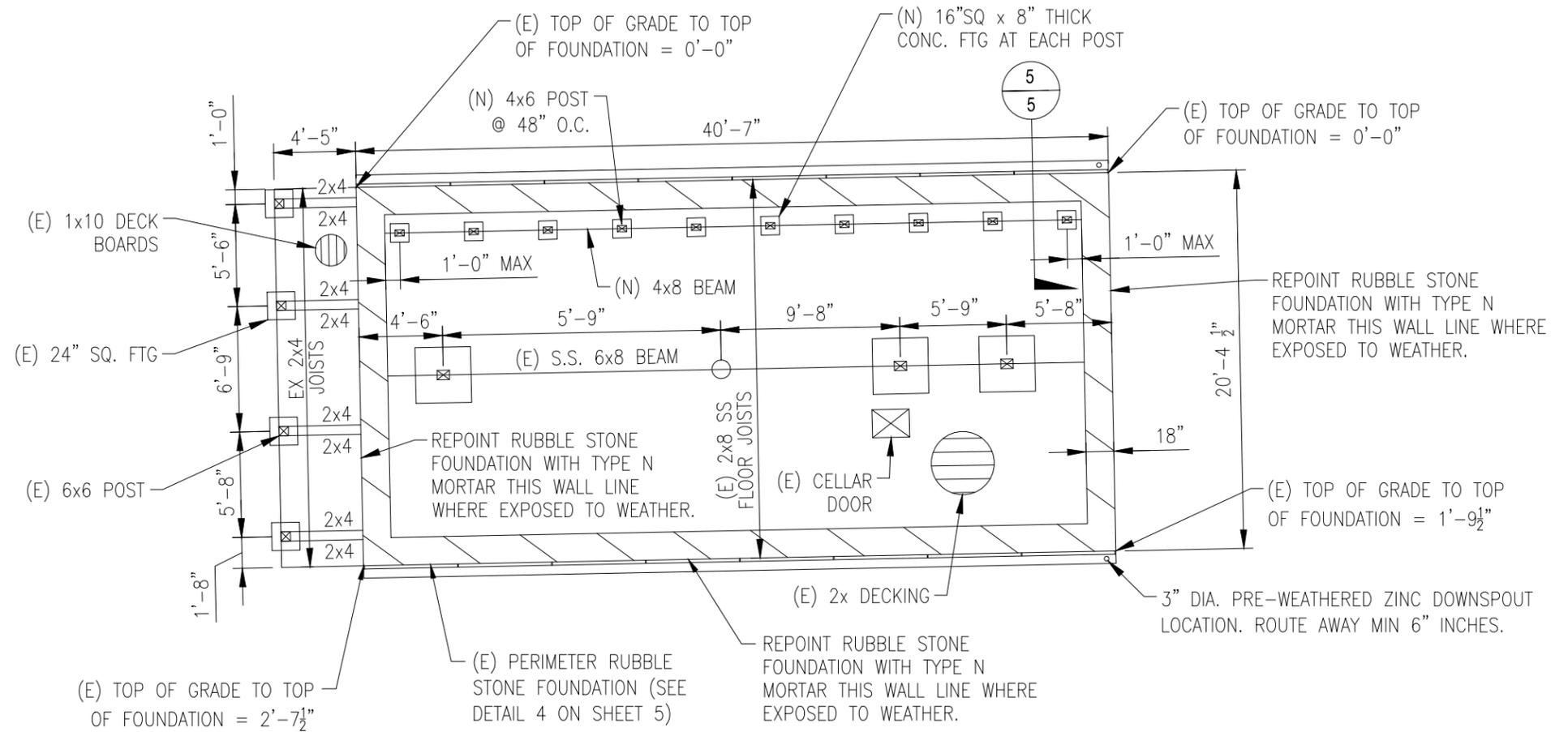
**MONTANA FISH,  
 WILDLIFE & PARKS**

**ELKHORN FOUNDATION REPAIRS**  
 ASBUILT FOUNDATION PLAN - FRATERNITY HALL

SHEET: 3 of 5

NOTES

1. CONTRACTOR SHALL VERIFY ALL CONDITIONS. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD. ANY WORK PERFORMED AFTER ANY DISCOVERY WITHOUT NOTIFYING THE ENGINEER IS AT THE RISK OF THE CONTRACTOR.
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**LEGEND:**

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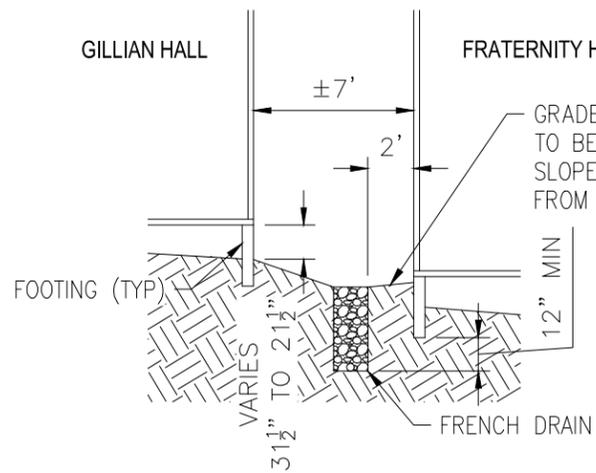
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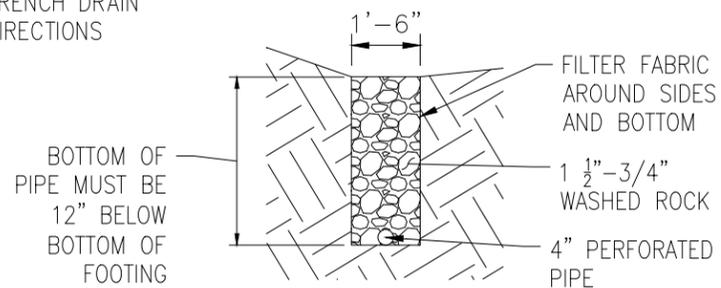
**MONTANA FISH,  
 WILDLIFE & PARKS**

**ELKHORN FOUNDATION REPAIRS**  
 FOUNDATION PLAN - GILLIAN HALL

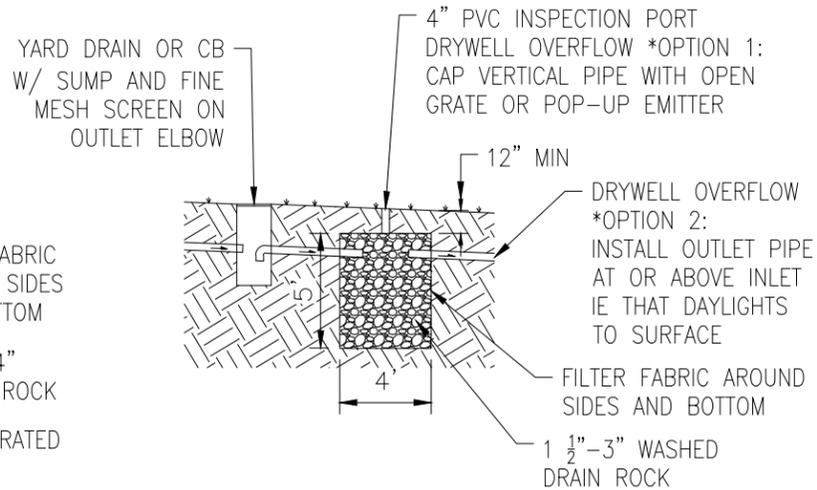
SHEET: 4  
 of 5



**1 BUILDING GAP SECTION**  
SCALE: 1/8"=1'

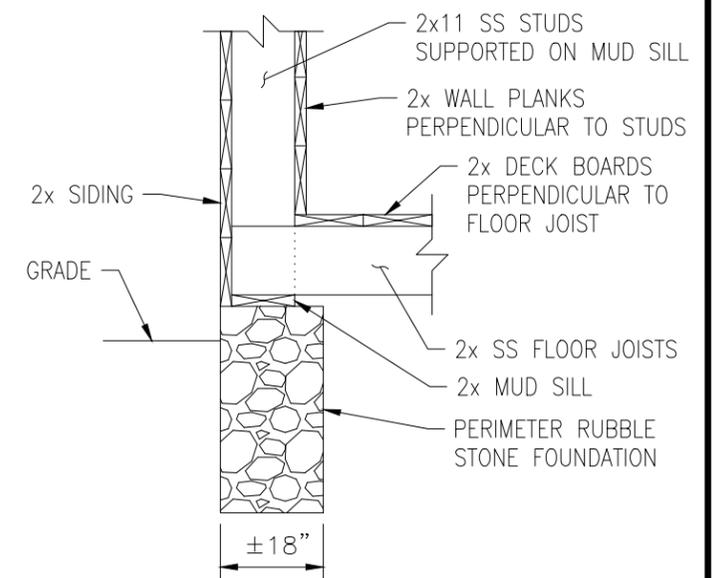


**2 FRENCH DRAIN DETAIL**  
SCALE: 1/4"=1'

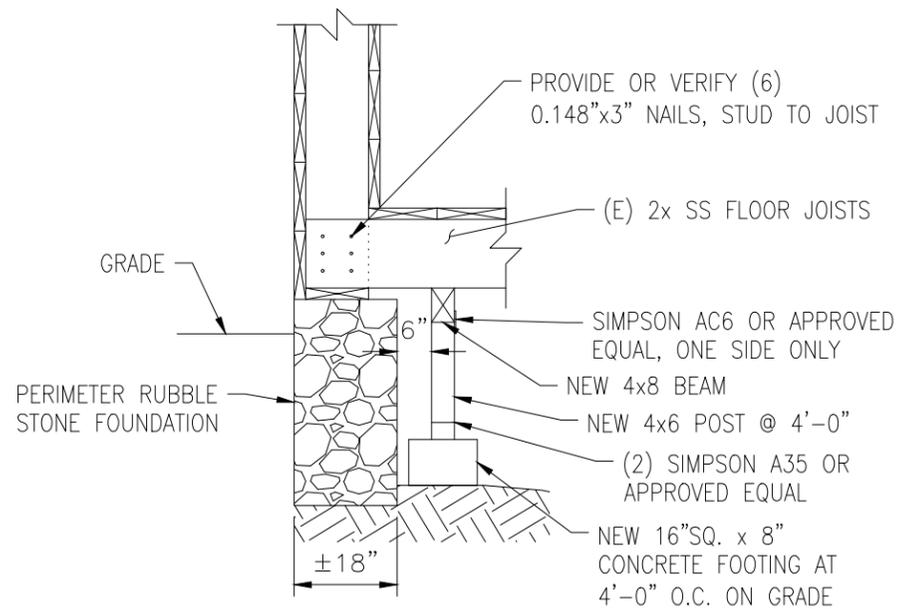


\*OVERFLOW OPTION SELECTION SHOULD BE BASED ON AVOIDING ANY NEGATIVE IMPACT DOWNSTREAM.

**3 DRYWELL DETAIL**  
SCALE: NTS

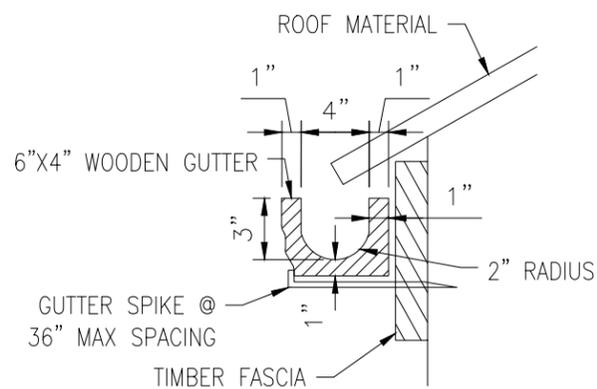


**4 EXISTING PERIMETER FOUNDATION**  
SCALE: NTS

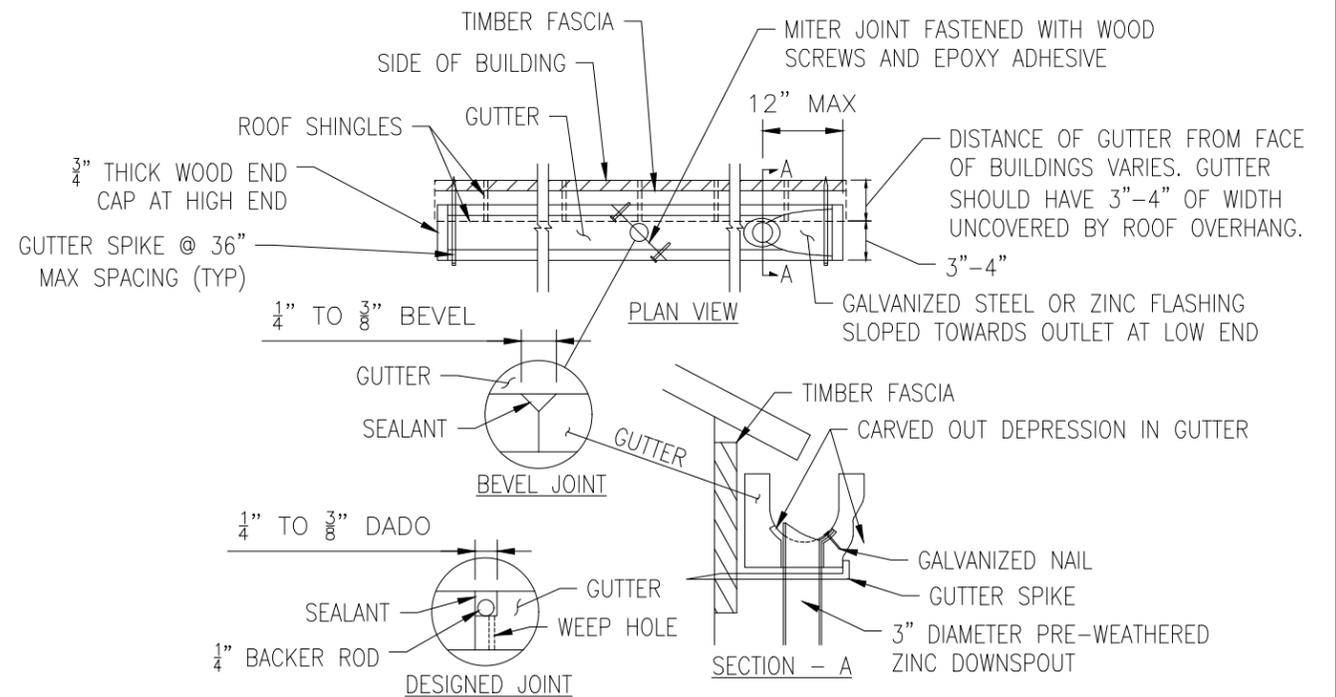


NOTE:  
SEE TYPICAL PERIMETER FOUNDATION SECTION FOR MORE INFORMATION (DETAIL 4 ON THIS SHEET)

**5 PERIMETER FOUNDATION STRENGTHENING**  
SCALE: NTS



**6 WOOD GUTTER**  
SCALE: NTS



**7 WOOD GUTTER DOWNSPOUT**  
SCALE: NTS

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**MONTANA FISH,  
WILDLIFE & PARKS**

**ELKHORN FOUNDATION REPAIRS  
DETAILS**

SHEET: 5  
of 5